

## Free Your Desktop

Easily upgrade your desktop computer with the RangePlus Wireless PCI Adapter and enjoy the convenient freedom of fast, reliable connectivity in virtually every room of your wirelessly networked home.

### Performance Power

RangePlus smart antenna technology designed to deliver reliable high-speed connectivity to wireless networks, with extended range and reduced dead spots – so you can access the Internet, printers, storage and other networked devices without having to plug in. Offers optimal performance with Wireless-N networks, but works with Wireless-G and -B networks as well.

### Easy Setup

Installs in your computer's PCI slot. Step-by-step Setup Wizard makes it easy to configure to your network's settings.

### Powerful protection

Rest secure – industrial-strength 128-bit encryption helps keep your communications and information private.

## DATASHEET

#1 choice for wireless networking worldwide

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Get the most from your RangePlus router

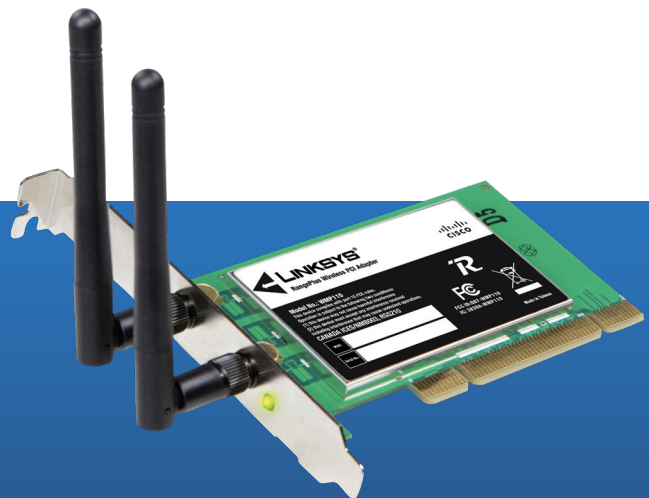
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Great with Wireless-G – even farther with Wireless-N

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Easy setup – get up and running in minutes

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## RangePlus Wireless PCI Adapter

Model: WMP110 (EU)

## Features

- Much Faster than Wireless-G, but can also connect to Wireless-N, -G and -B networks
- Complies with Wireless-B(802.11b) and Wireless-G(802.11g) standards
- Easy-to-use setup wizard
- Supports WEP (64- and 128-bit), WPA and WPA2 (Personal and Enterprise) encryption security
- Plug-and-Play operation provides easy setup
- Compatible with Microsoft XP (SP2 or later) and Vista



Cisco Consumer Business Group

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## Specifications

|                            |                                       |                                               |
|----------------------------|---------------------------------------|-----------------------------------------------|
| Model                      | WMP110                                |                                               |
| Standards                  | IEEE 802.11b, IEEE 802.11g            |                                               |
| LEDs                       | Link/Act                              |                                               |
| Number of Antennas         | 2 External Dipole Antennas            |                                               |
| Connector Type             | PCI                                   |                                               |
| Detachable Antennas        | Yes                                   |                                               |
| Modulations                | 802.11b:                              | CCK, QPSK, BPSK                               |
|                            | 802.11g:                              | BPSK, QPSK, 16-QAM, 64-QAM                    |
|                            | 802.11n:                              | BPSK, QPSK, 16-QAM, 64-QAM                    |
| RF Power (EIRP) in dBm     | 802.11b:                              | 17dBm                                         |
|                            | 802.11g:                              | 16dBm                                         |
|                            | 802.11n:                              | 20MHz: 16dBm<br>40MHz: 15dBm                  |
| Receive Sensitivity in dBm | 802.11b:                              | -84dBm                                        |
|                            | 802.11g:                              | -66dBm                                        |
|                            | 802.11n:                              | 20MHz: MCS=15: -64dBm<br>40MHz MCS=15, -60dBm |
| Power Consumption          | 802.11b:                              | TX: 400mA, at 3.3V<br>RX: 340mA, at 3.3V      |
|                            | 802.11g:                              | TX: 360mA at 3.3V<br>RX: 340mA at 3.3V        |
|                            | 802.11n:                              | TX: 360mA at 3.3V                             |
|                            | 20MHz                                 | RX: 340mA at 3.3V                             |
|                            | 802.11n:                              | TX: 380mA at 3.3V                             |
|                            | 40MHz                                 | RX: 340mA at 3.3V                             |
| Antenna Gain in dBi        | 1.8 dBi                               |                                               |
| Security Features          | WEP, Wi-Fi Protected Access™ 2 (WPA2) |                                               |
| Security Key Bits          | Up to 256-Bit Encryption              |                                               |

## Environmental

|                    |                           |
|--------------------|---------------------------|
| Dimensions         | 126 x 22 x 121 mm         |
| Weight             | 700 g                     |
| Power              | 3.3V                      |
| Certification      | FCC, IC, WiFi, WHQL, RoHS |
| Operating Temp.    | -10 to 55°C               |
| Storage Temp.      | -30 to 70°C               |
| Operating Humidity | 95%, Noncondensing        |
| Storage Humidity   | 95%, Noncondensing        |

## Package Contents

- RangePlus Wireless PCI Adapter
- Setup Wizard CD-ROM
- User Guide on CD-ROM
- Quick Installation Guide
- Antennas

## Minimum Requirements

- 600 MHz or faster PC
- 256 MB of RAM memory
- CD-ROM drive
- Available PCI slot
- Up-to-date Windows 2000, XP or Vista

The maximum performance for wireless is derived from IEEE Standard 802.11 specifications. Actual performance can vary, including lower wireless network capacity, data throughput rate, range and coverage. Performance depends on many factors, conditions and variables, including distance from the access point, volume of network traffic, building materials and construction, operating system used, mix of wireless products used, interference and other adverse conditions.

Specifications are subject to change without notice.

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